Assignment 1.3 – Setup, Debugging, and Diagnostics

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Web340-339A Node.js

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Part 1 – Installation

Display the help menu of the version manager you installed:

```
eric@TheBlaze:~$ nvm --help

Node Version Manager (v0.38.0)

Note: <version> refers to any version-like string nvm understands.
This includes:
  - full or partial version numbers, starting with an optional "v"
(0.10, v0.1.2, v1)
  - default (built-in) aliases: node, stable, unstable, iojs, syste
m
  - custom aliases you define with `nvm alias foo`

 Any options that produce colorized output should respect the `--no
-colors` option.

Usage:
  nvm --help                               Show this message
    --no-colors                            Suppress colored outp
ut
  nvm --version                            Print out the install
ed version of nvm
  nvm install [<version>]                  Download and install
a <version>. Uses .nvmrc if available and version is omitted.
    The following optional arguments, if provided, must appear direc
tly after `nvm install`:
    -s                                     Skip binary download,
  install from source only.
    -b                                     Skip source download,
  install from binary only.
    --reinstall-packages-from=<version>    When installing, rein
stall packages installed in <node|iojs|node version number>
```

Display the installed version of Node.js:

```
eric@TheBlaze:~$ node --version
v19.4.0
eric@TheBlaze:~$ nvm run 16.16
Running node v16.16.0 (npm v8.11.0)
Welcome to Node.js v16.16.0.
Type ".help" for more information.
>
```
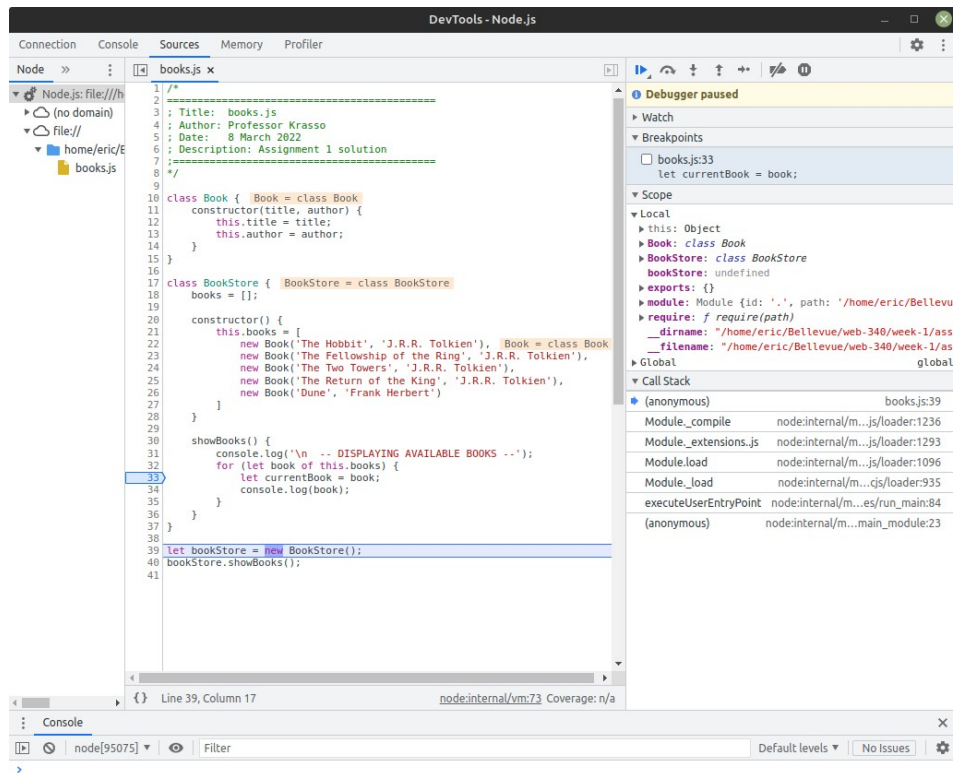
Display the installed npm version:

```
eric@TheBlaze:~$ npm --version
9.2.0
```

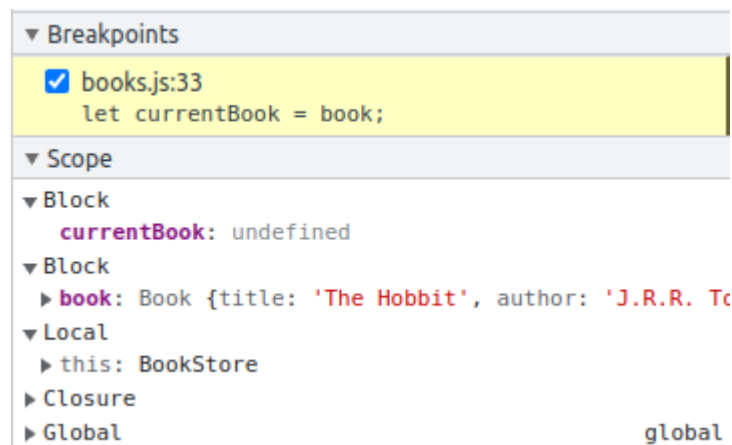Display the Node help menu:

```
Welcome to Node.js v16.16.0.
Type ".help" for more information.
> help
Uncaught ReferenceError: help is not defined
> .help
.break    Sometimes you get stuck, this gets you out
.clear    Alias for .break
.editor   Enter editor mode
.exit     Exit the REPL
.help     Print this help message
.load     Load JS from a file into the REPL session
.save     Save all evaluated commands in this REPL session to a fil
e

Press Ctrl+C to abort current expression, Ctrl+D to exit the REPL
>
```

Part 2 – Debugging and Diagnostics

Open Chrome's developer tools and inspect the file:

Add a break point to line 33. Take screenshots of each iteration with the updated values:

▼ Scope

▼ Block
  ▶ **currentBook**: Book {title: 'The Hobbit', author: 'J
▼ Block
  ▶ **book**: Book {title: 'The Fellowship of the Ring', a
▼ Local
  ▶ this: BookStore

▼ Scope

▼ Block
  ▶ **currentBook**: Book {title: 'The Fellowship of the Ri
▼ Block
  ▶ **book**: Book {title: 'The Two Towers', author: 'J.R.F
▼ Local
  ▶ this: BookStore

▼ Scope

▼ Block
  ▶ **currentBook**: Book {title: 'The Two Towers', author:
▼ Block
  ▶ **book**: Book {title: 'The Return of the King', author
▼ Local
  ▶ this: BookStore

▼ Scope

▼ Block
  ▶ **currentBook**: Book {title: 'The Return of the King',
▼ Block
  ▶ **book**: Book {title: 'Dune', author: 'Frank Herbert'}
▼ Local
  ▶ this: BookStore